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- (71) Applicant (for all designated States except US): SHER-WOOD SERVICES AG [CH/CH]; Bahnofstrasse 29, CH-8201 Schaffhausen (CH).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): STEUBE, Gregory, Alan [US/US]; 515 North Benton Avenue, St. Charles, MO 63301-1866 (US).
- (74) Agent: LEONARDO, Mark, S.; Brown Rudnick Berlack Israels LLP, One Financial Center, Boston, MA 02111 (US).

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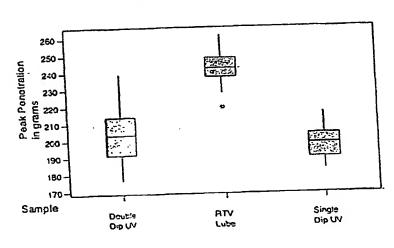
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(54) Title: MEDICAL DEVICE LUBRICANT COMPRISING RADIATION CURABLE SILICON MATERIAL

### Peak Penetration Force



(57) Abstract: The invention relates to a lubricant for medical devices. The inventive lubricant uses silicone epoxy and vinyl ether that both rapidly cure when exposed to ultraviolet light or an intense electron beam. The lubricants formulated with these components in combination with a secondary silicone component and a photoinitator offer improved performance when compared to lubricants formulated from the prior art method of using a RTV + silicone fluid materials. The speed of the UV/EB cure of the new components makes lubricants formed from them more compatible with high speed manufacturing processes by eliminating the delay of prior art lengthy cure steps.